Work Orde				*124	4368*							Page 1
Item ID: Revision ID: Item Name:	D3407-5			Accept	*N900	0040	100	n *	Setup	Star Stop	17	S1* S2*
Start Date: Required Date: Reference:	9/10/14 9/10/14	Start Qty: 8.00 Req'd Qty: 8.00	*8* *8*		Cust Item Customer:						· IN	. 7/"
Approvals:	Process Pl	lan: MCJ	Date: <u>\\-09-\-</u>	Tooling: SPC (Y/N):)ate:			Run	Start Stop	^IV	R1* R2*
Sequence ID/ Work Center II)	Operation Description		Set Up/ Run Hours	Tool ID	Tool#	Plan Code	Accep Qty	t Re	eject	Reject Number	Insp. Stamp
Draw Nbr	Re	vision Nbr			-		<u>.</u>					
D3407	Re	v E										
*100 *100* Waterjet		FLOW WATER JET Memo		0.00				10		0		DAS 23 9-89 (4-10-2
FLOW CNC Waterje	et	1-Cut as per Dwg Rev:_ Prog Rev:_	Dwg D3407	0.00								
		2-Break edge	es on manual lathe Dwg D3	3407 (175rpm)								
110		QC2- Inspect parts off ma	achine FAI/FAIB	0.00								DAS

0.00

Memo

110 QC

Quality Control

DQA:			Date:				_			DATE			•	
QA Closed:			Date:			WORK ORDER NON-	-C(ONFO	RMANCE / UP		ork Order up	odate only	٦_	AEROSPACE
						DISPOSITION				AGAINST DI	EPARTMENT,	/PROCESS		
Work Orde	er:					l					7	14/a4an 1a4	٦.	
						Rework		l .	Skid-tube	Crosstube		Water Jet	┥ '	Engineering
Part N	١٥.					Scrap		1	Machining	Small Fab Finishing	┥	d. Eng. Coor. re/Packaging	\dashv	Quality Other
NCR I	No.					Use-as-is Suspected Unapproved			noforming Large Fab	Composite	, Kec/stoi	Supplier		Other
Root			1		Desc	ription of work order update		Initial	Acti	on	Sign &		1	
Cause		Date	Step	Qty		or non-conformance		nief Eng	Descri		Date	Verification		QC Inspector
Design		Dute	Step	Ψ.,		or non-comormance	<u> </u>						\top	
Doc/Data														
Equip/Tooling														
Handling/Pre														
Material					Ì.									
Operator		1												
Offset/Setup														
Process								,						
Supplier														
Training]												
Transport														
Unapproved											<u> </u>			
							FA	ULT CAT	EGORY					
Landi	ng (Gear				General	, —	7		<u></u>	7	_	_	
		Bending				Bend		1	rogram		Outside Dim	-	_	essure/Forced
		Centre No	ot Concer	ntric	<u> </u>	BOM/Route		Grain		<u> </u>	Over/Under	<u> </u>	_	t-up
	<u> </u>	Cracks				Broken/Damage/Defect		Hardwa			Part Incorred	<u></u>		mperature/Cure
		Crimp/Kir	nk/Ripple	/Wave	<u> </u>	Burrs	<u> </u>	4	on Incomplete/Und		Part Lost/Mi	ssing	-	eld
		Cuffs			\vdash	Contamination	_	4	ions Incomplete/Ui	nclear	Part Moved	L	JW	rong Stock Pulled
	L	Crushing				Countersink	_	- ·	ned/off center	ļ	Positioned V	_	٦	
		Heat Trea			_	Cut Too Short		Mislabe		L	Power Loss/	Surge	lot	her
	_	Inspectio		Tube	<u> </u>	Drawing		Misread	I				-	
	_	Marks/Ch			\vdash	Drill Holes	<u> </u>	Off-set	N 111					
		Turning S	-		_	Finish	_	4	Calibration					·····
	l	Wave/Tw	ist in Tub	oe .		Fit/Function		Out of S	Sequence					

Work Ordenserver September - 11 - 14				*194	4368*							Page 2	2
Item ID: Revision ID:	D3407-5			Accept	*N900) <u>04</u> 0)1 ()	N *	Setup	Start Stop		S1* S2*	
	9/10/14	Start Qty: 8.00 Req'd Qty: 8.00	*8* *8*		Cust Item 1 Customer:						"IV.	5 /"	
Approvals:	Process Pl	lan:	Date:	Tooling:	D	Pate:	***************************************	_	Run	Start	~!\	R1*	
	QC:		Date:	SPC (Y/N):	D	ate:				Stop	*N	R2*	
Sequence ID/ Work Center II 120 *1 20*)	Operation Description QC8- Inspect parts - secon	nd check	Set Up/ Run Hours 0.00	Tool ID	Tool#	Plan Code	Accep Qty	ot Re Qt		Reject Number	Insp. Stamp DAS 38 9-89	_
QC Quality Control		Мето		0.00								OCT 2 1	1 201
130		Identify as per dwg & Stoo	ck Location: ik ACC	0.00							• .		
120 Packaging Packaging		Memo *****STOCK	K IN LARGE FAB****	0.00				/0		<u> </u>	1410-2	12	
¹⁴⁰ *1△∩ *		QC21- Final Inspection - V	Work Order Release	0.00						14	1/10/	1226	H
QC Quality Control		Memo		0.00							• • •	•	0
								M		0.2	$\overline{\mathcal{N}}$		
									3/,				

DQA:			Date:			. MODE ODDED NON	~								"DART
QA Closed:			Date:			WORK ORDER NON-	-00	JNFOI	RIVIAINCE / OF		Wo	rk Order up	date only		AEROSPACE
						DISPOSITION				AGAINST (DEP	ARTMENT	/PROCESS		
Work Orde	er: .					Bowark	ı		Skid-tube	Crosstube			Water Jet	Г	Engineering
Dowt N	مام					Rework Scrap			Machining Machining	Small Fab	-	Pro	d. Eng. Coor.	_	Quality
Part N	NO.		· · · · · · · · · · · · · · · · · · ·			Use-as-is		1	noforming	Finishing	\dashv		e/Packaging		Other
NCR N	۷o.					Suspected Unapproved		1110111	Large Fab	Composite	\dashv	,	Supplier	_	
Henri	•••									' <u>L</u>	_		, ,	<u> </u>	
Root					Desc	ription of work order update	ı	nitial	Acti	ion		Sign &			
Cause		Date	Step	Qty		or non-conformance	Ch	ief Eng	Descri	iption	\perp	Date	Verificatio	n	QC Inspector
Design														İ	
Doc/Data															
Equip/Tooling															
Handling/Pre															
Material	Ш	,													
Operator	<u> </u>					·					- 1				
Offset/Setup															
Process											ı				
Supplier														1	
Training	<u> </u>														
Transport														1	
Unapproved			<u> </u>	<u> </u>	<u> </u>		FAI	ULT CAT	L TEGORY			·			<u> </u>
Landi	nø (Gear				General		<u> </u>							
Lana		Bending				Bend		Folio/P	rogram	Γ	\Box	Outside Dim	ensions		Pressure/Forced
	\vdash	•	ot Concer	ntric		BOM/Route		Grain	· ·	Ī		Over/Under	tolerance		Set-up
		Cracks				Broken/Damage/Defect		Hardwa	re		\neg	Part Incorred	ci.		Temperature/Cure
	<u> </u>	Crimp/Ki	nk/Ripple	/Wave		Burrs		Inspect	ion Incomplete/Un	qualified		Part Lost/Mi	ssing		Weld
		Cuffs				Contamination		Instruct	ions Incomplete/U	Inclear		Part Moved			Wrong Stock Pulled
		Crushing				Countersink]Misalig	ned/off center			Positioned V	Vrong		•
		Heat Trea	at			Cut Too Short		Mislabe	eled			Power Loss/	Surge	$ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{L}}}}$	Other
		Inspectio	n Strip in	Tube		Drawing		Misread	t		_				
		Marks/Cl	hatter			Drill Holes		Off-set			_				
		Turning S	Sequence			Finish		4	Calibration		_				
		Wave/Tv	vist in Tub	oe .		Fit/Function	<u> </u>	Out of 9	Sequence						

Picklist Print

September-11-14 12:03:39 PM

Work Order ID: 124368

124368

Parent Item:

D3407-5

D3407-5

Parent Item Name: Ring

Start Date: 9/10/14

Required Date: 9/10/14

Page 1

Start Oty: 8.00

Required Oty: 8.00

Comments:

IPP Rev:A New Issue 05-11-22 JLM

IPP Rev:B Now on Waterjet 08-05-14 JLM Verified By:DD

IPP Rev:C 08-08-12 revE as per dwg (ecn 08-507) DD verified by:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
M174B0.250X4.000		Purchased	No			100	f	23.9700	0,2666	73\		DA	_
M174R0	250X4 () ೧ ೧						20.5700	**	ف ا		2 :	

17-4 SS Bar .250 X 4.00

Location Loc Oty Loc Code MAT049 23.97 m127866 23.97

127866

DQA:			Date:											"DART
			~ .			WORK ORDER NON	-CC	ONFO	RMANCE / UPDATE	147.	auli Oudou iii	ا بامد معاد		AEROSPACE
QA Closed:			Date:							VV	ork Order up	date only		·
Work Orde	·r·					DISPOSITION			AGAINS	T DE	PARTMENT	/PROCESS		
WORK Orac	•					Rework			Skid-tube Crosstube	e		Water Jet		Engineering
Part N	lo.					Scrap			Machining Small Fal	<u> </u>	Pro	d. Eng. Coor.		Quality
	•					Use-as-is		Thern	noforming Finishin	g	Rec/Stor	e/Packaging		Other
NCR N	lo.					Suspected Unapproved			Large Fab Composite	e]	Supplier		
D 4			1 1		Doss	ription of work order update		nitial	Action		Sign &			
Root		Data	Ston	Otv	Desci	or non-conformance		illicial			Date	Verification	n	QC Inspector
Cause	\dashv	Date	Step	Qty		of non-comormance	Cil	ilei Eiig	Description		Date	VCITICATIO	•	Qe inspector
Design Doc/Data	_			r .										
Equip/Tooling	_			1										
Handling/Pre														
Material														
Operator														
Offset/Setup														
Process														
Supplier														
Training														
Transport														
Unapproved							<u> </u>							
							FA	ULT CAT	TEGORY					
Landir	$\overline{}$	1				General	_	1 /5		_	1	•		D
		Bending			-	Bend	_	1	Program	\vdash	Outside Dim			Pressure/Forced Set-up
		Centre No	ot Concer	ntric	ļ	BOM/Route	-	Grain			Over/Under Part Incorred			Temperature/Cure
		Cracks	-1. /D:1-	/\41==	-	Broken/Damage/Defect	┝	Hardwa		\vdash	Part Lost/Mi			Weld
	_	Crimp/Kir	тк/кірріе	/ wave	-	Burrs	<u> </u>	1	ion Incomplete/Unqualified tions Incomplete/Unclear	\vdash	Part Lost/Mil	သေး။ဗွ		Wrong Stock Pulled
		Crushing			-	Contamination Countersink		4	gned/off center	-	Positioned V	Vrong	L	THE STOCK FUNCU
		Crushing Heat Trea	a+		-	Cut Too Short	\vdash	Mislabe		\vdash	Power Loss/	-		Other
		Inspectio		Tube		Drawing		Misread		L_	1. 04.6. 2000/		· ·	
		Marks/Ch		TUDE		Drill Holes	_	Off-set						
		Turning S				Finish	\vdash	4	Calibration					
		Wave/Tw				Fit/Function		1	Sequence					

DART AEROSPACE LTD	Work Order: \2	4368
Description: Tow Ring	Part Number:	D3407-5
Inspection Dwg: D3407 Rev: E		Page 1 of 1

	_						-30 . 0
	FIRS	T ARTICLE II	NSPECTI	ON CH	ECKLIST		
	<u> ></u>	First Arti	cle	Prot	totype		
Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection		mments
0.250	+/-0.010	0.250	_		U	Jimo	
Ø3.000	+/-0.030	3004"	_		V	J. 7.4.0	<u>. </u>
Ø2.050	+0.012/-0.001	1.057"	_		V		
0.75	+/-0.030	0.750	-		V		
Measured by:	SAG 98-9	Audited by:	DAS 38 9-89		Prototype A	Approval:	N/A
Date:	14-10-21	Date:	3-09		- Tototype A	Date:	N/A
	1-1-10.6	24.5.	OCT 2	1 2014		Date.	IN/A
Rev Date A 07.02.02	Change New Issue					Revised by	Approved
B 07.09.18	Tolerance revises					/0/2 m IAI	

Rev	Date	Change UCI / I / UII	1	1 2
			Revised by	Approved
A	07.02.02	New Issue	KJ/JLM	
В	07.09.18	Tolerance revised	KJ/EC	
С		Dimensions updated per Dwg Rev D		
D				
D		Dwg Rev updated	KJ/JLM KJ/DD	









